

IN THE CLAIMS

Please amend the claims as follows:

1.(cancelled)

2.(cancelled)

3.(currently amended) A pump as claimed in claim ~~1 or 2~~19 wherein the membrane is formed from an elastomeric material.

4.(currently amended) A pump as claimed in claim ~~1, 2 or 3~~ wherein the membrane is formed from elastomeric sheet material.

5.(currently amended) A pump as claimed in ~~any one of claims 1 to 4~~19 wherein the membrane is damped between first and second ~~housing~~ sections, of the housing each housing section with one of the opposing surfaces having a cavity section such that when the housing sections are assembled to form a the housing, said the cavity with opposing surfaces is formed.

6.(currently amended) A pump as claimed in ~~any one of claims 1 to 5~~claim 19 wherein a pressure port opens into said cavity, said pressure port being connectable to a source or sources of positive and negative pressures.

7.(currently amended)A pump as claimed in claim ~~3-6~~ further including a device wherein the cavity is located in a pump housing, the cavity being connectable to a source or sources of negative and positive pressure and means to cyclically apply the positive and negative pressures to the cavity to cause the membrane to move between the stable states.

8.(cancelled)

9. (currently amended) A pump as claimed in claim ~~8-5~~ wherein the housing ~~includes first and second housing sections configured to form said cavity when the housing sections are joined together and to clamp the membrane about a peripheral margin thereof.~~

10.(currently amended) A pump as claimed in claim ~~9-5~~ wherein the first housing section includes a recess into which the membrane is located, the peripheral dimensions of the membrane being greater than those of the recess whereby compressive forces are set up in the membrane when it is installed in the recess to thereby create the preset.

11.(currently amended) A pump as claimed in claim ~~10-6~~ wherein the second housing section includes a protruding portion which engages in the recess when the first and second housing sections are combined together, to cause the membrane to be clamped in place.

12.(currently amended) A pump as claimed in claim ~~9, 10 or 11~~ 19 further including a third housing section coupled to the second housing section, said third housing section including means for facilitating connection of inlet and outlet conduits for pumpable material.

13.(original) A pump as claimed in claim 12 wherein the second and third housing sections include inlet and outlet openings and means for locating therein a valve element.

14.(original) A pump as claimed in claim 13 wherein the valve element is a disk of

flexible material.

15.(currently amended) A pump as claimed in claim 6 wherein the cavity is elongate and the pressure port is offset in the length of the ~~port~~cavity.

16.(currently amended) A pump as claimed in ~~any one of~~ claims 7 to 14 wherein the cavity is elongate and of curved cross-section, ~~a port via which the source(s) of positive and negative pressure are connectable opens into the cavity.~~

17.(original) A pump as claimed in claim 15 or 16 wherein the ends of the elongate cavity are complex curved.

18.(cancelled)

19.(new) a pump including a housing, a cavity with opposing surfaces, an inlet port opening into the cavity, an outlet port opening from the cavity, a pressure port connected to the cavity, a flexible membrane located within the cavity, the flexible membrane being mounted within the housing and a pre-set is applied to the flexible membrane such that the membrane adopts a first stable state in contact with one of the opposing surfaces of the cavity and can be caused to invert into a second stable state by the application of pressure to the cavity via the pressure port, the bi-stable membrane thereby being movable between the first and second stable states corresponding to completion of inlet and exhaust of a pumping cycle.

20.(new) A pump as claimed in claim 7 wherein the clamping of the membrane creates further compressive forces in the membrane.